

MX120

INTELLIGENT ADDRESSABLE SMOKE & HEAT DETECTOR



Features and Benefits

- EN54-29 Compliance
- LPCB Pending
- Combined Smoke and Heat Sensor
- Using microprocessor technology with memory capacity up to 10 events
- Analogue sending and digital addressing
- Provide real time algorithm to the control panel
- Smart linear drift compensation
- 360-degree visual indicator
- Onsite Adjustable Parameter
- Removable chamber against dust and small insect
- Ancillary remote indicator output
- Aesthetically pleasing design

Overview

The MX120 Intelligent Addressable Optical Smoke & Heat Detector is the ideal device for most applications, due to its spiffing linear response to a wide variety of different types of smoke patterns and combining with heat sensing sensor for temperature response. The unit manufactured base on the sensitivity requirement of EN 54 part 29, European Standard. The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs. The unit incorporates an intelligent processor that provides Algorithm map, inbuilt A/D converter, Drift compensation, and Self-Diagnosis and History log.

Secure and speedy communication through the on-board processor enables the detector to make its own decision, resulting in greater automation. In the event of fire, the integral microprocessor analyses the signal according to factors such as signal strength and rate of increase, then confirms these patterns with the pre - programmed fire scenarios, smoke and heat patterns including rate of rise temperature, for a faster and safer response. Once it is confirmed, the LED indicates the sensor status and parallel sending communication signal to the control panel. The MX120 detector is compatible to the MX004 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture to avoid addressable communication compatibility problem.

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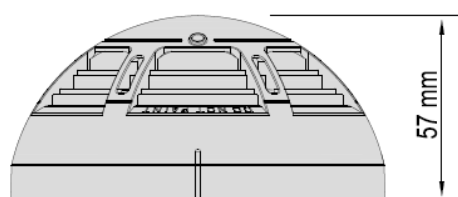
DATA SHEET

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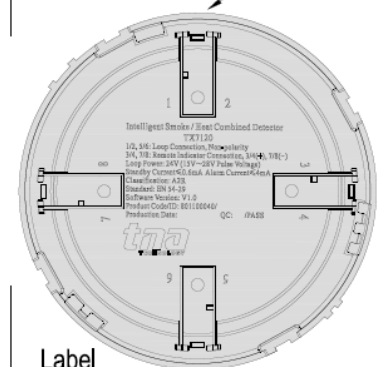
Technical Specification

Listed Compliance	LPCB Pending	
	EN54-29	
Input Voltage	24VDC [16V to 28V]	
Current Consumption	Standby : 0.6mA	Alarm : 4mA
Protocol/Addressing	Proprietary	Value range from 1 to 254
Smoke Sensitivity	As per stipulated standard	
Heat Class Type	A2R	
Indicator	Single LED, 360-degree Visual	
Material / Colour	ABS, White Glossy finishing	
Dimension	Ø 99.7mm x 57mm	
Weight	145g (with Base)	90g (without Base)
Operating Temperature	-10°C to +50°C	
Humidity	0 to 95% Relative Humidity, Non condensing	
Ingress Protection	IP42	



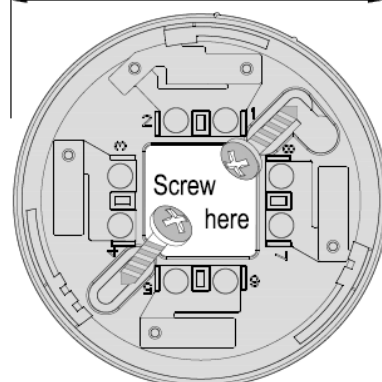
Detector

Ø 95.33mm



Label

Ø 99.7mm



Standard Base

Terminal Description

- 1 Signal In (+)
- 2 Signal Out (+)
- 3 Remote Indicator (+)
- 4 Remote Indicator (+)
- 5 Signal In (-)
- 6 Signal In (-)
- 7 Remote Indicator (-)
- 8 Remote Indicator (-)

